

Dean K. Matsuura Manager Regulatory Affairs

February 2, 2010

FUBLIC UTILITIES CONSUSCIONES

The Honorable Chairman and Members of the Hawaii Public Utilities Commission 465 South King Street Kekuanaoa Building, 1st Floor Honolulu, Hawaii 96813

Dear Commissioners:

Subject: Docket No. 2009-0108 – Proposed Amendments to the IRP Framework Hawaiian Electric Companies' Panelists for the Panel Hearing

In accordance with the *Order Establishing Hearing Procedures*, filed January 28, 2010, enclosed for filing are the listing of the Hawaiian Electric Companies' panelists and their respective curriculum vitae ("CVs") for the panel hearing scheduled for February 8 - 11, 2010.

Very truly yours,

Heart Lata

Enclosures

cc: Service List

¹ The Hawaiian Electric Companies' are Hawaiian Electric Company, Inc., Hawaii Electric Light Company, Inc., and Maui Electric Company, Limited.

Docket No. 2009-0108 Hawaiian Electric Companies' Panelists for the IRP/CESP Framework Panel Hearing February 8 – 11, 2010

Issue I. What is the purpose of the planning process?

Colton Ching, Manager, Corporate Planning Department Lisa Giang, Director, Strategic Planning Division

Issue II. Is modification or replacement of the IRP Framework necessary to achieve its purposes?

Colton Ching, Manager, Corporate Planning Department Lisa Giang, Director, Strategic Planning Division

If questions arise regarding:

(1) Competitive Bidding, Barry Nakamoto, Director, Energy Procurement; will be available as a panelist; (2) Feed-In Tariff or Distributed Generation, Scott Seu, Manager, Resource Acquisition Department will be available as a panelist; (3) Demand-Side Management, Load Management, or Demand Response, Alan Hee, Manager, Energy Services Department will be available as a panelist; (4) Distributed Planning, Nathan Liang, Director, Distribution Planning will available as a panelist.

Issue III. What analytical methods will best achieve the Framework's purposes?

Colton Ching, Manager, Corporate Planning Department Lisa Giang, Director, Strategic Planning Division

If questions arise regarding: (1) Distributed Resources, Scott Seu will be available as a panelist; (2) Demand-Side Management, Load Management, or Demand Response, Alan Hee will be available as a panelist; (3) Competitive Bidding, Barry Nakamoto will be available as a panelist; (4) Distribution Planning, Nathan Liang will be available as a panelist, and (5) Rate Impacts, Peter Young, Director, Pricing Division, will be available as a panelist.

Issue IV. What procedures will best achieve the Framework's purposes?

A. What schedule and procedures are appropriate for producing a plan, taking into account the natural tension between full community participation in the process and expeditious Commission action?

Colton Ching, Manager, Corporate Planning Department Lisa Giang, Director, Strategic Planning Division

B. What are the appropriate roles and responsibilities of participants, including advisory groups and third-party providers?

Colton Ching, Manager, Corporate Planning Department Lisa Giang, Director, Strategic Planning Division

If questions arise regarding: (1) Distributed Resources, Scott Seu will be available as a panelist; (2) Demand-Side Management, Load Management, or Demand Response, Alan Hee will be available as a panelist; (3) Competitive Bidding, Barry Nakamoto will be available as a panelist.

C. What are the appropriate roles and responsibilities of an independent entity?

Colton Ching, Manager, Corporate Planning Department Barry Nakamoto, Director, Energy Procurement Division

D. What are the possible and optimal relationships between utility and PBF Administrator?

Alan Hee, Manager, Energy Services Department Colton Ching, Manager, Corporate Planning Department

- E. What problems have arisen, and might arise, that warrant special commission attention? Possible examples include:
 - (1) Nondiscriminatory treatment of third-party providers during the planning process.

Colton Ching, Manager, Corporate Planning Department Lisa Giang, Director, Strategic Planning Division (2) Subsequent utility actions or inactions that depart from the plan.

Colton Ching, Manager, Corporate Planning Department Lisa Giang, Director, Strategic Planning Division

(3) Variability in legislative priorities.

Colton Ching, Manager, Corporate Planning Department Lisa Giang, Director, Strategic Planning Division

(4) Uncertainty in the allocation of costs, risks, and benefits of projects.

Thomas C. Williams, Esq.
Scott Seu, Manager, Resource Acquisition Department
Barry Nakamoto, Director, Energy Procurement Division

Issue V. What are the appropriate next steps for the Commission?

Colton Ching, Manager, Corporate Planning Department Thomas C. Williams, Esq. Lisa Giang, Director, Strategic Planning Division

EDUCATIONAL BACKGROUD AND EXPERIENCE OF THE HAWAIIAN ELECTRIC COMPANIES' PANELISTS

COLTON K. CHING

EDUCATIONAL BACKGROUND AND EXPERIENCE

BUSINESS ADDRESS: Hawaiian Electric Company, Inc.

P.O. Box 2750

Honolulu, Hawaii 96840

POSITION: Manager, Corporate Planning Department

(2008 - present)

YEARS OF SERVICE: 18

EDUCATION: University of Hawaii, Manoa

Bachelor of Science - Mechanical Engineering, 1990

REGISTRATION: Registered Professional Engineer

State of Hawaii, 1996

EXPERIENCE: Director, Strategic Initiatives

Hawaiian Electric Company, Inc.

(2006 - 2008)

Director, Transmission Planning Division

Hawaiian Electric Company, Inc.

(2005 - 2006)

Senior Planning Engineer

Power Supply Planning & Engineering Department

Hawaiian Electric Company, Inc.

(2000-2005)

Electric Engineer II

Power Supply Planning & Engineering Department

Hawaiian Electric Company, Inc.

(1996-2000)

Designer II

Power Supply Planning & Engineering Department

Hawaiian Electric Company, Inc.

(1994-1996)

EXPERIENCE (continued) Designer I

Engineering Department

Hawaiian Electric Company, Inc.

(1991-1994)

Nuclear Engineer

Pearl Harbor Naval Shipyard

U.S. Navy (1990-1991)

TESTIMONIES: Hawaiian Electric Company, Inc.

Implementation of Decoupling Mechanism

Docket No. 2008-0274

Hawaiian Electric Company, Inc.

Feed-in Tariff Docket Docket No. 2008-0273

Hawaiian Electric Company, Inc.

Campbell Industrial Park Generation Station and Transmission Additions Project

Docket No. 05-0145

LISA K.K. GIANG, P.E.

EDUCATIONAL BACKGROUND AND EXPERIENCE

BUSINESS ADDRESS: Hawaiian Electric Company, Inc.

820 Ward Avenue

Honolulu, Hawaii 96814

POSITION: Director, Strategic Planning

Corporate Planning Department

EDUCATION: Bachelor of Science in Mechanical Engineering

With Distinction

University of Hawaii, 1994

OTHER QUALIFICATIONS: Registered Professional Engineer

Hawaii Mechanical Branch - 2001

California Fire Protection Engineering – 1998

EXPERIENCE: <u>HAWAIIAN ELECTRIC COMPANY, INC.</u>

Director, Strategic Planning Corporate Planning Department November 2008 to Present

Senior Planning Engineer, Generation Planning

Power Supply Services Department

(Power Supply Planning & Engineering Department prior

to September 20, 2004)

February 2005 to November 2008

Planning Engineer, Generation Planning

Power Supply Planning & Engineering Department

April 2001 - February 2005

S. S. DANNAWAY ASSOCIATES

Fire Protection Engineering Consultant

November 1998 – April 2001 January 1995 – September 1997

DOCKET NO. 2009-0108 CV – LISA K.K. GIANG PAGE 2 OF 2

EXPERIENCE (continued): NOTKIN HAWAII, INC.

Mechanical Engineering Consultant

October 1997 – October 1998

OTHER CURRICULUM: Business Basics

Utility Finance and Accounting Course

Basics of Rate Design Course

Pam Chambers Effective Communications Class

TESTIMONIES: Hawaii Electric Light Company, Inc.

Request for Approval of Rate Increase

Docket No. 05-0315

BARRY M. NAKAMOTO

EDUCATIONAL BACKGROUND AND EXPERIENCE

Business Address: Hawaiian Electric Company, Inc

820 Ward Avenue P.O. Box 2750

Honolulu, Hawaii 96840

Position: Director, Energy Procurement

Resource Acquisition Department

Years of Service: 20

Education: Masters in Business Administration

Hawaii Pacific University

Bachelor of Science in Mechanical Engineering

Santa Clara University

Experience: Hawaiian Electric Company, Inc.

2007 - 2010

Director, Competitive Bidding Division,

System Planning/Resource Acquisition Department

2001 - 2007

Senior Scientist and Principal, Air & Noise Division,

Environmental Department

1995 - 2001

Project Manager, Planning & Engineering Department

1991 - 1995

Mechanical Engineer, Engineering Department

1989 - 1991

Mechanical Designer, Engineering Department

ALAN K.C. HEE

EDUCATIONAL BACKGROUND AND EXPERIENCE

BUSINESS ADDRESS: Hawaiian Electric Company, Inc.

220 South King Street Honolulu, Hawaii 96813

POSITION: Manager, Energy Services Department

YEARS OF SERVICE: 23 Years

EDUCATION: MBA, University of Hawaii, 1982

BS, Civil Engineering

Cornell University, NY, 1974

OTHER QUALIFICATIONS: Registered Professional Engineer, Hawaii

Civil Engineering Branch

OTHER EXPERIENCE: Director, Forecasts Division

Energy Services Department, 1995-2004

Director, Forecasting Division

Rate and Regulatory Affairs Dept., 1991-1995

Planning Analyst, Forecasting Division

Rate and Regulatory Affairs Dept., 1986-1991

Operations Engineer

GASCO, Inc., Hilo, 1982-1986

Peace Corps Volunteer Fiji Islands, 1974-1976

TESTIMONIES: Hawaiian Electric Company, Inc.

Implementation of Decoupling Mechanism

Docket No. 2008-0274

Hawaiian Electric Company, Inc. Request for Approval of Rate Increase

Docket No. 2008-0083

TESTIMONIES (continued):

Maui Electric Company, Limited Request for Approval of Rate Increase Docket No. 2006-0387

Hawaiian Electric Company, Inc. Request for Approval of Rate Increase Docket No. 2006-0386

Hawaiian Electric Company, Inc.
Campbell Industrial Park Generation Station
and Transmission Additions Project
Docket No. 05-0145

Hawaiian Electric Company, Inc. Request for Approval of Rate Increase Docket No. 04-0113

Hawaiian Electric Company, Inc. Request for Approval of Rate Increase Docket No. 7766

THOMAS W. WILLIAMS, JR., ESQ.

ON BEHALF OF HAWAIIAN ELECTRIC COMPANY, INC

EDUCATIONAL BACKGROUND AND EXPERIENCE

Graduated from University of Virginia with a B.S. in Physics in 1969
Graduated from University of Virginia with a J.D. in 1975
Admitted to Hawaii Bar in October 1975
Associate Attorney (1975-1980) and Partner (1981-present) with Goodsill Anderson Quinn & Stifel, a Limited Liability Law Partnership LLP
Listed in Best Lawyers in America in Utility Law, and now Energy Law

Assisted in representation of Hawaiian Electric Companies in regulatory matters as an associate attorney (1975-1980), and partner (1981-present) and represented Hawaiian Electric Companies as lead regulatory counsel (1986-present) for 35 years. (Also represented Independent Power Producers on Kauai with respect to power purchase contract negotiations with Kauai Electric.)

Involvement in relevant matters for Hawaiian Electric Companies includes:

Integrated Resource Planning

IRP Framework, Docket No. 6617

Participant in Collaborative Principle Negotiations Compiled Hawaiian Electric Companies Framework Proposal Represented Hawaiian Electric Companies in hearings Drafted Hawaiian Electric Companies briefs

Hawaiian Electric's IRP-1 Plan, Docket No. 7257 Hawaiian Electric's IRP-2 Plan, Docket No. 95-0347 Hawaiian Electric's IRP-3 Plan, Docket No. 03-0253 Hawaiian Electric's IRP-4 Plan, Docket No. 2007-0084

HELCO's IRP-1 Plan, Docket No. 7259 HELCO's IRP-2 Plan, Docket No. 97-0349 HELCO's IRP-3 Plan, Docket No. 04-0046 (co-counsel)

MECO's IRP-1 Plan, Docket No. 7258 MECO's IRP-2 Plan, Docket No. 99-0004 MECO's IRP-3 Plan, Docket No. 04-0077 (co-counsel)

Clean Energy Scenario Planning Process, Docket No. 2009-0108

Demand Side Management Programs

Hawaiian Electric Companies DSM Commercial Pilot (electric lighting) program, Docket No. 7054

Hawaiian Electric Companies DSM Residential Pilot (electric lighting) program, Docket No. 7389 Hawaiian Electric Commercial and Industrial ("C&I") DSM programs, Docket Nos. 94-0010, 94-0011 and 94-0012 (Consolidated)

Hawaiian Electric Residential DSM programs, Docket No. 94-0206, Docket No. 94-0216 MECO Energy Efficiency DSM programs, Docket Nos. 95-0139, 95-0140, 95-0141, 95-0142 (Consolidated)

HELCO Interim DSM programs, Docket Nos. 7574, 7692

HELCO Energy Efficiency DSM programs, Docket Nos. 95-0173, 95-0174, 95-0175, 95-0176 (Consolidated)

Hawaiian Electric Residential Direct Load Control Program, Docket No. 03-0166, 2009-0097 Hawaiian Electric C&I Direct Load Control Program, Docket Nos. 03-0415 Hawaiian Electric, Residential Customer Energy Awareness Pilot Program, Docket No. 03-0142

Hawaiian Electric Dynamic Pricing Pilot, Docket No. 2008-0074

Energy Efficiency Docket, Docket No. 05-0069 DSM Program Reports and Modifications, Docket No. 2007-0341 Public Benefits Fund Administrator, Docket No. 2007-0323

Independent Power Producers

Power Purchase Agreement (PPA) Approval Dockets

AES, Docket Nos. 6177, 03-0126

KPLP, Docket Nos. 6378, 00-0001, 04-0320

HPower, Docket No. 6983

HC&S, Docket No. 6616

KWP I, Docket No. 04-0365

HCPC, Docket Nos. 5768, 6193, 6960, 7093, 7347, 99-0346

Hamakua Sugar, Docket Nos. 5933, 6390, 7662, 7732

PGV, Docket Nos. 6498, 95-0074

HEP, Docket No. 98-0013

WRHPC, Docket No. 6956

HRD, Docket No. 04-0016

Apollo, Docket No. 04-0346

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HAR §6-74-15 Proceedings

KCP, Docket No. 7956

EDC, Docket No. 94-0079

HCPC, Docket No. 97-0102

Apollo, Docket No. 00-0135

Negotiation of PPAs and PPA Amendments

Development of Model PPAs

Administration of PPAs (advisory)

PPA Dispute Resolution (advisory)

PPA Consultation (performance standards, curtailment)

Amendments to Hawaii PUC's QF Rules (1997-1998)

Avoided Cost Generic Docket, Docket No. 7310

Drafted SOP

Participated in negotiation and drafting of stipulations

Transmission Additions (Involving Transmission Planning)

East Oahu Transmission Project, Docket No. 03-0417 Waiau-CIP Transmission Lines, Docket Nos. 7133, 94-0278

Utility-Owned Generation Additions (Involving Generation Planning)

HELCO CT-4, CT-5 and ST-7 Generating Units, Docket Nos. 7048, 7623 HELCO CT-3, Docket No. 6643 MECO Maalaea Combined Cycle Unit No. 2, Docket No. 7744 Hawaiian Electric CIP CT-1, Docket No. 05-0145 (advisory)

Generation Planning

Adequacy of Supply Reports Biennial PURPA Filings

Outage Investigations (Relating to Generation and Transmission Reliability)

Hawaiian Electric (1991), Docket No. 6281 HELCO (1991, 1992), Docket No. 6049 HELCO Contingency Planning (1996-2001), Docket No. 96-0029

Resource Acquisition

Electric Utility Infrastructure, Docket No. 96-0493

Renewable Energy, Docket No. 94-0226

Participated in collaborative discussions

Participated in work group to draft collaborative document

Drafted Appendices A-D to collaborative document

Competitive Bidding, Docket No. 03-0372

Participated in drafting of SOPs and Framework Proposals

Participated in negotiation of Joint Framework Proposal

HECO Companies Panelist

Represented HECO Companies at panel hearings

Drafted briefs

Renewable Portfolio Standards, Docket No. 2007-0008

Participated in PUC workshops as panelist

REIP Docket, Docket No. 2007-0416

Renewable Energy Projects (Big Wind Studies), Docket No. 2009-0162

Distributed Resources

CHP Program, Docket No. 03-0366 (proposed)

Participated in drafting of proposed program

MECO CHP Project (Manele Bay), Docket No. 2006-0186

DG Investigation, Docket No. 03-0371

Interconnection Tariff, Docket No. 02-0051

Participated in development of tariffs

DG Tariff Investigation, Docket No. 2006-0497

Participated in negotiation of stipulation

Airport DSG Application, Docket No. 2008-0329

Net Energy Metering, Docket No. 2006-0084

Feed-in Tariffs, Docket No. 2008-0273 (advisory)

Federal Standards

EISA 2007 Standards Proceeding, Docket No. 2009-0029 EPACT Standards Proceeding, Docket No. 7775

SCOTT W. H. SEU

EDUCATIONAL BACKGROUND & EXPERIENCE

BUSINESS ADDRESS:	Hawaiian Electric Company, Inc. P. O. Box 2750 Honolulu, Hawaii 96840
CURRENT POSITION:	Manager, Resource Acquisition Department Hawaiian Electric Company, Inc. Honolulu, Hawaii
PRIOR EXPERIENCE:	
2004 – 2008	Manager, Energy Projects Department, Hawaiian Electric Company
2003 – 2004	Manager, Customer Installations Department, Hawaiian Electric Company
1998 - 2002	Manager, Environmental Department, Hawaiian Electric Company
1997 - 1998	Principal Environmental Scientist, Environmental Department, Hawaiian Electric Company
1993 - 1996	Senior Environmental Scientist, Environmental Department, Hawaiian Electric Company
1991 - 1993	Staff Environmental Engineer, Acurex Environmental Corporation, Mountain View, California
1989-1991	English Teacher, Sichuan University, China
1988-1989	Mechanical Engineer, Westinghouse Electric Corporation, Sunnyvale, California
EDUCATION:	Stanford University, Stanford, California MS Mechanical Engineering, 1988

BS Mechanical Engineering, 1987

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PROFESSIONAL REGISTRATION:

Professional Engineer, Mechanical Branch (License No.

8844), State of Hawaii

TESTIMONIES:

Hawaiian Electric Company, Inc.

Feed-in Tariff Docket Docket No. 2008-0273

Hawaiian Electric Company, Inc. Request for Approval of Rate Increase

Docket No. 2008-0083

NATHAN LIANG, P.E.

EDUCATIONAL BACKGROUND & EXPERIENCE

BUSINESS ADDRESS: Hawaiian Electric Company, Inc.

P. O. Box 2750

Honolulu, Hawaii 96840

CURRENT POSITION: Principal Distribution Planning Engineer

System Integration Department

(2007 - Present)

PRIOR EXPERIENCE:

2004 – 2007 Lead Distribution Planning Engineer

Engineering Department

1991 - 2004 Distribution Planning Engineer

Engineering Department

1989 - 1991 Transmission Planning Engineer

System Planning Department

EDUCATION: University of Hawaii at Manoa, Honolulu, Hawaii.

BS Electrical Engineering, 1989.

PROFESSIONAL Professional Engineer, Electrical Branch (License No.

REGISTRATION: 8294), State of Hawaii.

PETER C. YOUNG

EDUCATIONAL BACKGROUND AND EXPERIENCE

Business Address: Hawaiian Electric Company

P.O. Box 2750

Honolulu, Hawaii 96840

Current Position: Director, Pricing Division, Energy Services Department

Years of Service: 21 years

Other Experience: Financial Analyst, Pacific Resources, Inc.

Corporate Analyst, Pentagram, Inc.

Education: MBA (Finance), University of Washington

BA (Economics, Political Science),

Claremont McKenna College, Claremont, CA

Previous Testimony: Docket No. 2009-0163 – Maui Electric Company, Limited

- Cost of Service and Rate Design

Docket No. 2008-0274 - Hawaiian Electric Company, Inc.

- Decoupling Mechanisms

Docket No. 2008-0083 – Hawaiian Electric Company, Inc.

- Total Operating Electric Sales Revenue
- Cost of Service and Rate Design

Docket No. 2006-0387 – Maui Electric Company, Limited

- Electric Sales Revenue
- Cost of Service and Rate Design

Docket No. 2006-0386 – Hawaiian Electric Company, Inc.

- Electric Sales Revenue
- Cost of Service and Rate Design

Docket No. 05-0315 – Hawaii Electric Light Company, Inc.

- Electric Sales Revenue
- Cost of Service and Rate Design

Previous Testimony: Docket No. 05-0146 – Hawaiian Electric Company, Inc. (continued) – Revenue Requirements and Customer Impact

Docket No. 05-0145 – Hawaiian Electric Company, Inc.

- Revenue Requirements and Customer Impact

Docket No. 04-0113 - Hawaiian Electric Company, Inc.

- Electric Sales Revenue
- Cost of Service and Rate Design

Docket No. 99-0207 – Hawaii Electric Light Company, Inc.

- Electric Sales Revenue
- Cost of Service and Rate Design

Docket No. 97-0346 - Maui Electric Company, Limited

- Electric Sales Revenue
- Cost of Service and Rate Design

Docket No. 7766 – Hawaiian Electric Company, Inc.

- Rate Base

Docket No. 7764 – Hawaii Electric Light Company, Inc.

- Rate Base

Docket No. 7700 - Hawaiian Electric Company, Inc.

- Rate Base

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ESSEX HOUSE CONDOMINIUM CORPORATION, ON

BEHALF OF KAUAI MARRIOTT RESORT & BEACH CLUB

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